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PHOOTOGRAPHIC
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REPORT

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**SOVIET GENERAL STAFF EXERCISE,
MAY/JUNE 1977,
EASTERN EUROPE AND USSR (S)**

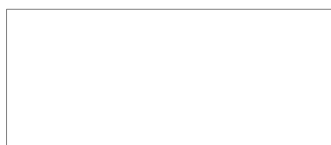
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NOVEMBER 1977

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SOVIET GENERAL STAFF EXERCISE, MAY/JUNE 1977, EASTERN EUROPE AND USSR (S)

INTRODUCTION

1. (TSR) A multinational command and control exercise, controlled by the Soviet General Staff, was conducted in the Warsaw Pact Forward Area and western USSR from 1 to 8 June 1977. This report summarizes all mobile communications activity seen on imagery [] that is believed to have been related to this exercise. This timeframe covers the pre- and postexercise phases. Mobile communications activity in the central and eastern USSR, which took place at this same time, is also summarized.

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2. (TSR) This report summarizes the activity observed by country and installation. One table lists operational mobile troposcatter stations with mensurated antenna azimuths and possible correspondents, and another table lists the operational mobile communications satellite stations that were observed. Selected, annotated photographs of communications activity in the Forward Area are also included.

DESCRIPTION

Czechoslovakia

Prague Dejvice NMOD Signal Regiment

3. (TSR) [] approximately 100 communications van trucks were seen parked on the drill field at this installation. Most of these vehicles were present [] the drill field was empty. Whether these communications vehicles were deployed to the field could not be determined.

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Beroun Army Barracks Alte 1/2

4. (TSR) A signal convoy consisting of 25 vehicles was formed within this installation [] Because of the lack of subsequent coverage, it could not be determined whether these vehicles had left the installation.

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Unhost Army Barracks 001

5. (TSR) A small-scale, camouflaged, possible communications exercise was in progress adjacent to this installation [] the camouflage had been removed; however, communications vehicles were still present.

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Hungary**Budapest Army Barracks Budai Nagyantal 215**

13. (TSR) [REDACTED], seven probable communications trucks and four cargo trucks were in the vehicle washing area, possibly indicating that they had returned from an exercise.

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Poland**Legnica Headquarters Soviet NGF 204**

14. (TSR) [REDACTED] the highest concentration of Soviet communications equipment ever observed in Poland was assembled near this installation. Operationally deployed equipment (Figure 2) included seven mobile communications satellite (comsat) stations (one not shown on graphic), two TWIN PLATE stations (one not shown on graphic), three R-110 stations, three R-400/404 stations, and a mobile MERCURY PLATE station. Approximately 50 vehicles were under camouflage netting adjacent to the headquarters area, and four P-299M (communications center van trucks)—not shown on graphic—and 36 probable radio van trucks were parked 200 meters west of the installation. Also, a temporary vehicle park with seven P-299M, 21 possible R-401/405, and 16 van trucks was set up at Legnica SAM Support Facility (left photo, Figure 3). The activity level and equipment count remained the same throughout the Legnica area [REDACTED]. With the exception of some communications equipment that was still parked at the SAM support facility, all equipment had been dismantled and moved from the area [REDACTED]. Also, approximately 50 van trucks were on railcars or waiting to be loaded onto railcars at a nearby railyard. [REDACTED] most of the convoy of equipment that still remained at Legnica SAM Support Facility was in the process of being moved (right photo, Figure 3). [REDACTED] all remaining equipment had been moved.

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Legnica Army Barracks 201

15. (TSR) The left photograph, Figure 4, shows the occupied TWIN PLATE storage area with associated equipment and the CATS PAW (R-409) equipment that are usually present at this installation; four TWIN PLATE stations and from four to six CATS PAW are usually present. Neither TWIN PLATE nor CATS PAW equipment was observed [REDACTED]. This equipment was still not present [REDACTED] however, a TWIN PLATE battalion was parked 3 nautical miles (nm) west of the installation [REDACTED] the TWIN PLATE battalion and the CATS PAW had returned to this installation.

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Legnica Army Barracks Scharnhorst 205

16. (TSR) The usual 20 to 30 probable communications vehicles were present at this barracks [REDACTED], only seven vehicles were observed. Probable postexercise maintenance activity, which consisted of 80 probable communications trucks parked outside vehicle sheds, was

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seen in progress [redacted] vehicular activity had returned to its usual level with 20 vehicles present. The activity observed at this installation [redacted] indicates that elements of the signal regiment housed here participated in an exercise sometime between those dates. [redacted] a small element of the signal regiment appeared to be preparing to leave the installation. Two convoys, with a total of 12 communications vehicles and four cargo trucks, were headed toward the main gate of the installation.

Legnica Troposcatter Station

17. (TSR) [redacted] two TWIN DISH (R-408) that are usually at this station were in the travel mode and in convoy formation where they remained [redacted]

Miedzyrzecz Army Barracks Keszyca 201

18. (TSR) The TWIN PLATE battalion and the mobile comsat unit housed at this installation were probably not in garrison [redacted] the TWIN PLATE battalion was present and the mobile comsat unit was probably back in garrison.

Drawsko Pomorskie Artillery/SAM Maneuver Area 401

19. (TSR) Two TWIN PLATE stations were operationally deployed in this training area [redacted] [redacted] It could not be determined how long these stations remained deployed.

Torun Training Area Podgorz 416

20. (TSR) Two Soviet TWIN PLATE stations were operationally deployed in this training area [redacted] These stations were deployed through [redacted] when a third operational TWIN PLATE station was observed. During this same timeframe, a Polish command post exercise (CPX) which was extensively camouflaged by netting was observed in the training area. The Soviet

TWIN PLATE area [redacted] however, the Polish CPX [redacted] and appeared to be terminating.

Swinoujscie Mine and Torpedo Depot

21. (TSR) One TWIN PLATE station and one TWIN PAN station were operationally deployed adjacent to this facility [redacted] How long these stations remained deployed could not be determined.

Walcz Army Barracks 004

22. (TSR) [redacted] the Walcz area, the communications van training area and the vehicle parking area at Walcz Army Barracks 004 were occupied (Figure 5). [redacted] elements of a signal regiment that is usually housed at this barracks were probably temporarily parked in Walcz Army Barracks 003. [redacted] the communications van training area and the vehicle parking area at Barracks 004 were unoccupied (Figure 6). The elements of the signal regiment had left Barracks 003 [redacted] these elements did not return to Barracks 004, indicating that the units had probably been deployed out of garrison.

Bydgoszcz Wow Barracks Koszary 1/4

23. (TSR) [redacted] vehicular count was approximately 30 percent lower than the usual 75 vehicles that are seen in the signal regiment area of this installation. [redacted] activity was at its usual level. If elements of this signal regiment had been deployed out of garrison, they probably had returned [redacted]

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USSR

Stazhiska Army Barracks AL-1

24. (TSR) One mobile comsat station was operationally deployed in the training area adjacent to this installation [redacted] A possible communications exercise involving two possible R-400/404 stations and 16 van trucks was in progress in an area nearby [redacted] These areas were cloud covered [redacted] 25X1
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Frunze Army Barracks AL-7

25. (TSR) One TWIN PLATE station was operationally deployed in the center of the barracks area [redacted] this station was no longer present. Eleven TWIN PLATE stations were operationally deployed in an open area south of the barracks area on the same day; 16 of the 22 antennas were erect. This TWIN PLATE exercise had terminated [redacted] 25X1
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Taldy Kurgan Army Barracks AL-3

26. (TSR) [redacted] four separate convoys, each with TWIN PLATE-associated equipment, were headed toward the installation. Three TWIN PLATE stations with four of the six antennas erect were deployed in a training area west of the barracks [redacted] This exercise had terminated [redacted] 25X1
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Alma-Ata Army Barracks AL-8/Headquarters Signal Brigade

27. (TSR) [redacted] the R-400/404 company was not present in its usual parking area in this installation. Elements of an R-400/404 company were observed training in a field 2.5 nm north-northeast of the installation. The R-400/404 unit in the field is probably housed at this barracks. It could not be determined when this exercise terminated. 25X1

Alma-Ata Army Barracks North AL-7

28. (TSR) Six TWIN PLATE stations, usually observed in the TWIN PLATE battalion area of this installation, were not present [redacted] three of the six stations had returned to their usual parking area. 25X1

Ayaguz Army Barracks North AL-3

29. (TSR) Eighteen of the 36 R-400/404-associated van trucks, usually observed in the radio-relay battalion area, were not seen there [redacted] However, these vehicles could have been parked in one or more of five recently completed vehicle sheds [redacted] the vehicles were still not seen. 25X1
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Semipalatinsk Army Barracks AL-2

30. (TSR) A probable communications exercise involving 14 vehicles was underway in a field east of this installation [redacted] This exercise had terminated [redacted] however, the vehicles were not present at the barracks. [redacted] at least 11 tactical radio stations appeared to be operationally deployed in an exercise east of the barracks. This exercise had terminated [redacted] Also, major elements of the signal unit housed at the barracks were not present [redacted] These elements were probably part of a 41-van-truck convoy headed north from the installation. The signal unit remained out of garrison through [redacted] but had returned [redacted] 25X1
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Otar SAM Site A13-2

31. (TSR) One TWIN PLATE station and one TWIN DISH station were operationally deployed within the launch site [redacted] 25X1

Ili Army Barracks AL-1

32. (TSR) A radio-relay exercise was in progress immediately northwest of the signal unit area [redacted] Equipment observed included 14 ground-mounted probable CATS PAW antennas with ten CATS PAW van trucks. [redacted] 25X1
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Ulan-Ude 9th RVGK Signal Brigade AL-3

33. (TSR) A mobile comsat station and a TWIN PLATE station were operationally deployed in the barracks area [redacted] However, three TWIN PLATE stations were operationally deployed—five of the six antennas were erect—in a training area 1.5 nm west of the installation on the latter date. [redacted] the three TWIN PLATE stations had been removed. [redacted] two mobile comsat stations and one R-400/404 station were operationally deployed in a secured area adjacent to the barracks and two TWIN PLATE stations were operationally deployed in the vehicle storage area. 25X1
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Khabarovsk Army Headquarters/Barracks AL-27

34. (TSR) One mobile comsat station was operationally deployed in the signal regiment area

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Khabarovsk Signal Brigade Headquarters/Barracks AL-24

35. (TSR) [] five TWIN PLATE stations and 19 support vehicles were headed south in a convoy 4 nm northeast of this installation. Another convoy consisting of 18 vehicles was in the signal brigade area, which also had an unusually high count of 200 vehicles parked outside vehicle sheds.

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Khabarovsk Unidentified Signal Regiment and Army Barracks

36. (TSR) Four TWIN PLATE stations, one TWIN EAR (R-133), and numerous van trucks were parked adjacent to the installation [] two additional TWIN PLATE stations were present. This equipment was still present [] three TWIN PLATE stations were adjacent to the installation and one TWIN PLATE station was operationally deployed in a field 1.6 nm northeast of the installation. [] only one TWIN PLATE station was adjacent to the installation and the field-deployed TWIN PLATE station appeared to be in the process of being dismantled.

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Chita Army Barracks East Central AL-6

37. (TSR) One mobile comsat station was operationally deployed at this installation []

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[] This station was still operational []

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Ussuriysk Army Barracks West AL-3

38. (TSR) One mobile comsat station was operationally deployed in the signal brigade area [] and four probable R-100-series stations were field deployed 1,000 meters south of the installation.

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Sikachi Alyan AL-1

39. (TSR) Eight of the 16 TWIN PLATE stations usually observed here were not present from []

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Komsomolsk Na Amure Army Barracks

40. (TSR) The usual 17 TWIN PLATE stations were present at this installation [] only nine TWIN PLATE stations were in garrison. Five of the eight missing TWIN PLATE stations were probably in a convoy headed toward a training area 1 nm away. Support equipment was already in the training area. [] a possible communications exercise was in progress in the barracks area. [] the five TWIN PLATE stations and the support equipment were not present at the training area or the barracks area; equipment and activity at the barracks area remained the same as that observed [] only four TWIN PLATE stations were in garrison. On the same date, the possible communications exercise in the barracks area was still in progress, and a communications exercise was in progress at the training area. The two exercises, which included 50 van trucks, had terminated [] only one TWIN PLATE station and part of another were observed at the barracks area. However, two mobile comsat stations, not usually observed here, were present. [] no communications equipment was observed at the barracks area or the training area.

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Belogorsk Army Barracks AL-3

41. (TSR) The three TWIN EAR that are usually observed at this installation were not present []. However, the TWIN PLATE unit housed here was present. The three TWIN EAR had returned [] and the TWIN PLATE unit was still in garrison. [] one TWIN PLATE station was operationally deployed in the administration area.

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Belogorsk Army Barracks AL-9

42. (TSR) No significant activity was observed at this installation [] when four R-400-404 stations were being operationally deployed south and west of the installation.

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Pogranichnyy Border GDS Barracks

43. (TSR) A probable signal battalion was involved in an exercise adjacent to this installation []

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44. (TSR) Elements of a probable signal battalion, which included five R-401/405, were deployed in a field northwest of this barracks

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CONCLUSION

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Table 1. Operational Mobile Troposcatter Stations, May-Jun 77
This table in its entirety is classified TOP SECRET RUFF

Location	Type Station	Date First Observed	Date Last Observed	Azimuth (deg)	Possible Correspondent *
POLAND					
Swinoujscie	TWIN PLATE				Drawsko **
Swinoujscie	TWIN PAN				Borne
Drawsko	TWIN PLATE				Swinoujscie **
Drawsko	TWIN PLATE				Sulecin/Miedzyrzecz
Legnica	TWIN PLATE				Sulecin/Miedzyrzecz
Legnica	TWIN PLATE				Wroclaw
Torun	TWIN PLATE				Poznan/Wrzesnia
Torun	TWIN PLATE				Borne
Torun	TWIN PLATE				Lodz/Lowicz
USSR					
Frunze	TWIN PLATE				No known area
Frunze	TWIN PLATE (2 stas)				Belouodskoye/Kara-Balty
Frunze	TWIN PLATE (2 stas)				Tokmak/Rybachye
Frunze	TWIN PLATE				No known area
Frunze	TWIN PLATE				Belouodskoye/Kara-Balty
Frunze	TWIN PLATE (2 stas partly deployed)				Belouodskoye/Kara-Balty
Frunze	TWIN PLATE (3 stas partly deployed)				Rybachye
Taldy Kurgan	TWIN PLATE (3 stas partly deployed)				No known area
Otar	TWIN PLATE				Rybachye
Ulan-Ude	TWIN PLATE				No known area
Ulan-Ude	TWIN PLATE (2 stas)				No known area
Ulan-Ude	TWIN PLATE				No known area
Ulan-Ude	TWIN PLATE (2 stas)				No known area
Khabarovsk	TWIN PLATE				No known area
Belogorsk	TWIN PLATE				No known area

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*Possible correspondents were determined by selecting an area that was along the azimuth of the station and within the range of the communications system.

**Correspondent identified on imagery.

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Table 2. Operational Mobile Comsat Stations, May--Jun 77
This table in its entirety is classified TOP SECRET RUFF

Location	Number of Deployed Stations	
Legnica, Poland	7	
Stazhiska, USSR	1	
Ulan-Ude, USSR	1	
Ulan-Ude, USSR	2	
Chita, USSR	1	
Khabarovsk, USSR	1	
Ussuriysk, USSR	1	

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REFERENCES

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REQUIREMENT

Project 370213AG

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